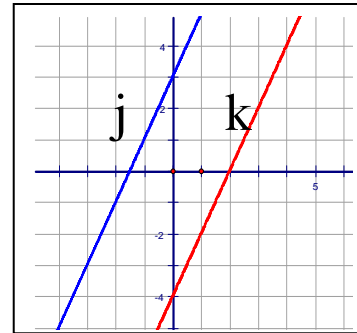


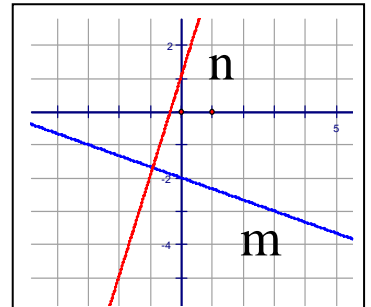
## Idea Wave

List 2 additional facts suggested by the graphs given on the right.

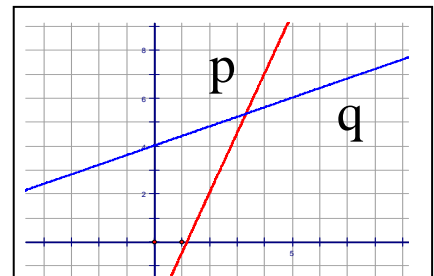
1. Lines j and k are parallel because they have the same slope.



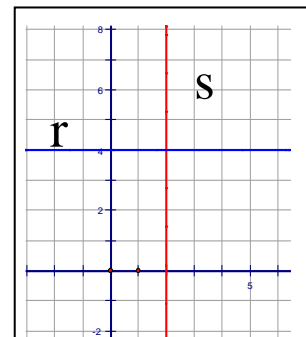
2. The slope of line n is 3. The slope of line m is  $-\frac{1}{3}$



3. Lines p & q are not perpendicular as they both have a positive slope



4. Line r is horizontal.



Knowing what you do about perpendicular lines and slope, finish the following sentence starters:

1.If two lines form a ...

2.Two lines are perpendicular because their slopes are ...

3.We know that two lines are not perpendicular when ...

4.If two lines both have negative slope then we know that the lines ...

5.If two lines have the same slope then ...

6.If one line is vertical then any line ...

7.Two lines are not perpendicular if ...

8.I can determine if two lines are perpendicular by...

**Listen carefully as your classmates share their ideas and experiences during the Idea Wave discussion. Jot down two statements that they make that you found particularly interesting and also write the names of your classmates who contributed these ideas.**

	Name	Idea
1.		
2.		